



Docket No.: PB481US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE **RECEIVED**

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In re Patent Application of:
Choi et al.

Application No.: 09/830,230

Confirmation No.: 3043

Filed: April 24, 2001

Art Unit: 1637

For: Lyme Disease Vaccines

Examiner: J. Tung

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of an claim of the subject application, Attorneys for Applicants hereby direct the Examiner's attention to the reference AC listed on the attached Form PTO/SB/08. A legible copy of reference AC is enclosed herewith.

Applicants respectfully request that the Examiner review the materials identified above and that the be made of record in the file history of the application.

Identification of the materials identified above is not to be construed an admission of any individual associated with the filing or prosecution of the subject application that any such material is available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the subject application.

Pursuant to 37 C.F.R. § 1.97(b)(3), since this information disclosure statement is being filed before the mailing date of a first Office Action on the merits, no fee is due in connection

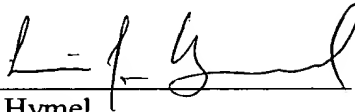
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herewith. However, should the Patent Office determine otherwise, please charge the required fee to Human Genome Science, Inc., Deposit Account No. 08-3425.

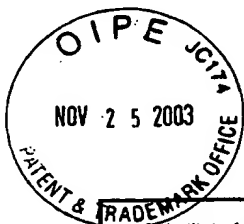
Dated: November 25, 2003

Respectfully submitted,

By 
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PTO/SB/08a/b (06-03)

Approved for use through 07/31/2003. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	09/830,230
				Filing Date	April 24, 2001
				First Named Inventor	Gil H. Choi
				Art Unit	1637
				Examiner Name	J. Tung
Sheet	1	of	1	Attorney Docket Number	PB481US

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
	AC	WO 95/04145		02/09/1995	Yale University		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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